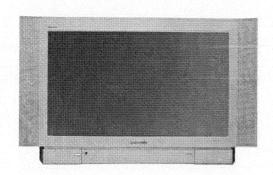
Order No: PCZ0510104C2

Service Manual



Colour Television

TX-32E50D TX-32PS12D TX-32PS12F **TX-32PS12P** CP-830FP Chassis

SPECIFICATIONS

Power Source:

220-240V a.c., 50Hz

Power Consumption:

94W

Stand-by Power

Consumption:

1,5W

Aerial Impedance:

75Ω unbalanced, Coaxial Type

Receiving System:

PAL-I, B/G, D/K, PAL-525/60 SECAM B/G, D/K, L,L' M.NTSC (AV only)

NTSC (AV only)

Receiving Channels:

VHF E2-E12

VHF H1-H2(ITALY)

VHF A-H (ITALY) VHF R3-R5

VHF R1-R2 VHF R6-R12 CATV (S01-S05)

UHF E21-E69 CATV S1-S10 (M1-M10)

CATV S11-S20 (U1-U10)

CATV S21-S41 (HYPERBAND)

Intermediate Frequency:

Video/Audio

Video

38,9MHz, 33,9Mhz

Sound 33,4MHz (B/G), 33,16MHz (A2)

33,05MHz (NICAM B/G,D/K,L)

32,4MHz (D/K), 32,66MHz (CZ STEREO)

40,4MHz (L'), 39,75MHz (L'NICAM)

Colour 34,47MHz (PAL)

34,5MHz, 34,65MHz (SECAM)

38,3MHz, 38,15MHz (SECAM L')

Terminals:

AV1 IN

Video (21pin) Audio(21pin)

1V p-p 75Ω

RGB (21pin)

 $500mV \text{ rms } 10k\Omega$ $0.7V p-p 75\Omega$

AV1 OUT

Video (21pin) Audio (21pin) 1V p-p 75Ω

 $500mV \text{ rms } 1k\Omega$

AV2 IN

Video (21pin)

Audio(21pin) S-Video IN (21pin)

1V p-p 75Ω

500mV rms 10kΩ Y: 1V p-p 75Ω C: 0,3V p-p 75Ω

AV2 OUT

Video (21pin)

1V p-p 75Ω

Audio (21pin) 500mV rms 1kΩ

AV3 FRONT Audio (RCAx2)

Video (RCAx1) S-Video IN

 $500mV \text{ rms } 10k\Omega$ 1V p-p 75Ω

Y: 1V p-p 75Ω C: 0,3V p-p 75Ω

High Voltage:

29kV ± 1kV

Picture Tube: W76QEN693X17 76cm

W76MAF185X72 76cm - (TX-32PS12P)

Audio Output:

2x7W RMS, 2x14W MPO,

8Ω impedance

Headphones:

8Ω impedance

Accesories

supplied:

Remote Control 2xR6 (UM3) Batteries

Dimensions:

Heiaht: Width:

567 mm

Depth:

902 mm 551 mm

Net weight:

53 ka (TX-32PS12P = 51 kg)

Specifications are subject to change without notice. Weights and dimensions shown are approximate.

Panasonic

CONTENTS

NFETY PRECAUTIONS
ERVICE HINTS
DLTAGE CHECK AND OPTION BYTES 4
AVEFORM PATTERN TABLE
IGNMENT SETTINGS
OCK DIAGRAMS
RTS LOCATION
EPLACEMENT PARTS LIST
CHEMATIC DIAGRAMS
NDUCTOR VIEWS

SAFETY PRECAUTION

GENERAL GUIDE LINES

- 1. It is advisable to insert an isolation transformer in the a.c. supply before servicing a hot chassis.
- When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts that have been overheated or damaged by the short circuit.
- 3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
- 4. When the receiver is not being used for a long period of time, unplug the power cord from the a.c. outlet.
- 5. Potentials as high as 30kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the tube.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

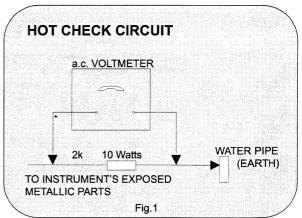
LEAKAGE CURRENT COLD CHECK

- 1. Unplug the a.c. cord and connect a jumper between the two prongs of the plug.
- 2. Turn on the receiver's power switch.
- 3. Measure the resistance value with an ohmmeter, between the jumpered a.c. plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

- 1. Plug the a.c. cord directly into the a.c. outlet. Do not use an isolation transformer for this check.
- 2. Connect a $2k\Omega$ 10W resistor in series with an exposed metallic part on the receiver and an earth, such as a water pipe.
- 3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.

- 4. Check each exposed metallic part and check the voltage at each point.
- 5. Reverse the a.c. plug at the outlet and repeat each of the previous measurements.
- 6. The potential at any point should not exceed 1,4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.



X-RADIATION WARNING

- The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
- 2. When using a picture tube test jig for service, ensure that the jig is capable of handling 30kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter.

- 1. Set the brightness to minimum.
- 2. Measure the high voltage. The meter should indicate: 29kV ± 1kV.
 - If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- 3. To prevent any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover

1. Remove the 11 screws as shown in Fig. 2.

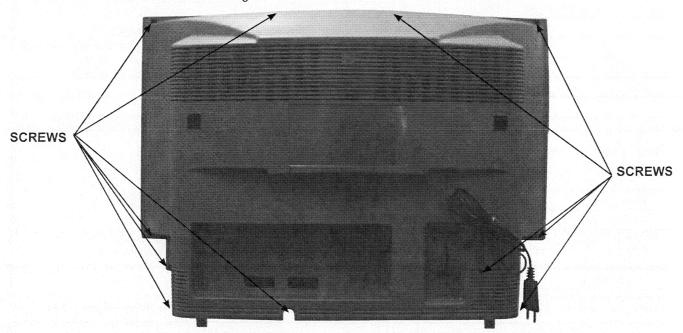
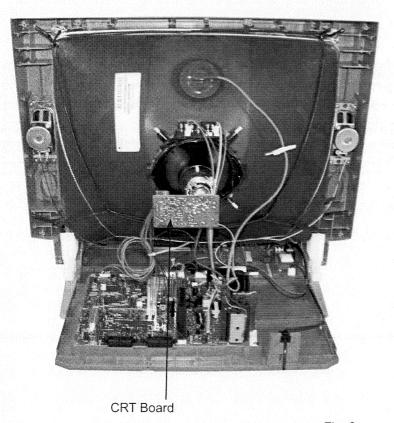


Fig. 2

LOCATION OF CONTROLS



MAIN Board CONTROL Board

SCREEN FOCUS

Fig. 3

VOLTAGE CHECK

SMT		2094.0074*		
MAIN B+ Voltage [V]	129,5	± 1 V	D820	
14V [V]	13	± 0,5 V D831 test conditions ;	test conditions ; Input voltage : 230VAC	
8V [V]	7,4	± 0,5 V	D830	TV set on ON mode (if nothing specified)
5V [V]	4,6	± 0,5 V	D870	Picture : colour bar - Dynamic Sound : 1Khz - (mode : Music)
SOUND B+ [V]	13,2	13,2 ± 0,5 V *Volume Min.	Sound : TKHZ = (Mode : Widsic)	
	12,8	± 0,5 V	*Volume Max.	

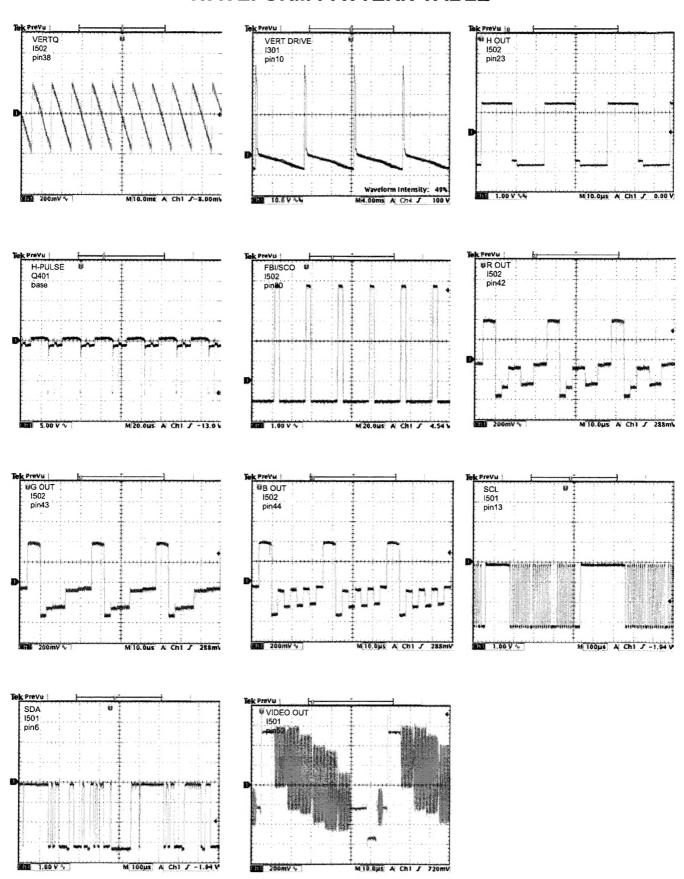
FBT		1302.2002*		
High \/oltogo [\/]	27,85	± 0,5 kV	load Max.	
High Voltage [V]	29,20	± 0,5 kV	load Min.	test conditions :
Retrace time	5,40	± 0,2 us		Input voltage : 230VAC
Vcp [V]	1210	± 20 V		Ct = 11nF Cs = 0,3uF
Video Voltage [V]	180	± 5%		L linearity: TRL-5R0D
14V line [V]	14	± 5%		CRT : W76QEN693X172
52V line [V]	52	± 5%		
Heater Voltage [Vrms]	6,2	± 5%		

G2 SCREEN / CUTOFF	
Receive a Color bar pattern	
2. set the TV into Service mode.	Adjust the screen VR till G2-SCREEN get 32(31~33).
3. Select G2 SCREEN item.	

OPTION BYTES

MODEL	OPTION BYTE 1		OPTION BYTE 2		
TX-32E50D	10011000	0 x 98	01111011	0 x 7B	
TX-32PS12D	10011000	0 x 98	01111011	0 x 7B	
TX-32PS12F	00011000	0 x 18	01111011	0 x 7B	
TX-32PS12P	00011000	0 x 18	01111011	0 x 7B	

WAVEFORM PATTERN TABLE



ALIGNMENT SETTINGS

(The figures below are nominal and used for representative purposes only.)

To access Service Mode select program position 99 and set sharpness to minimum.

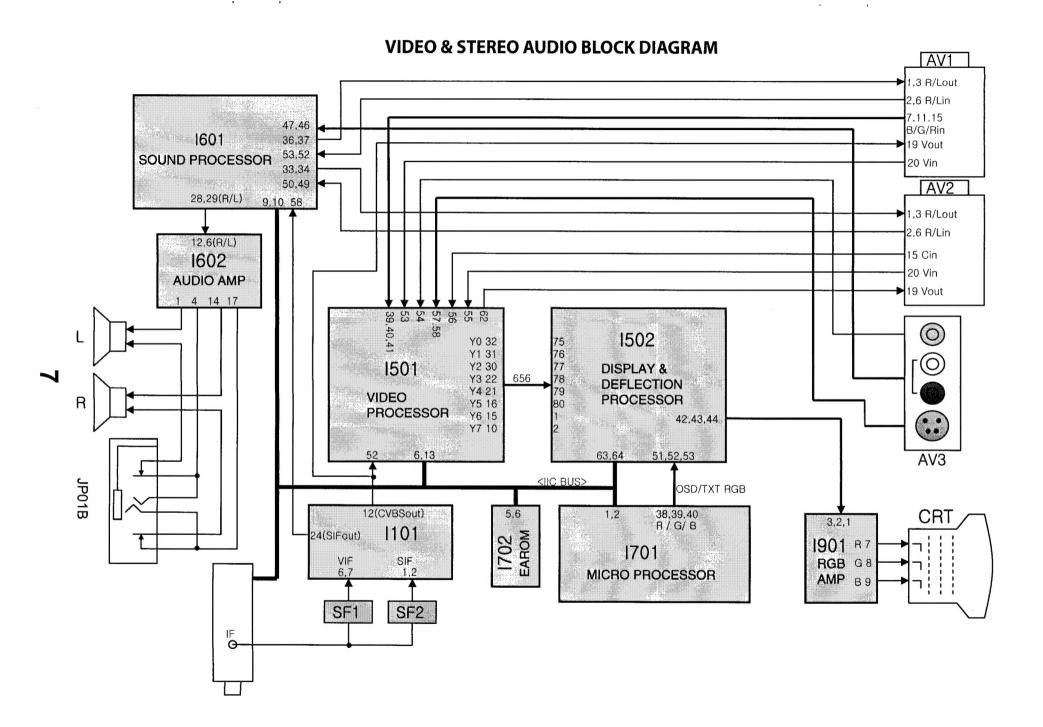
Press "MUTE" button on remote control and at the same time press the "V" button on the customer controls at the front of the TV, this will place the TV set into Service Mode.

Press Λ/V buttons to step up / down through the functions.

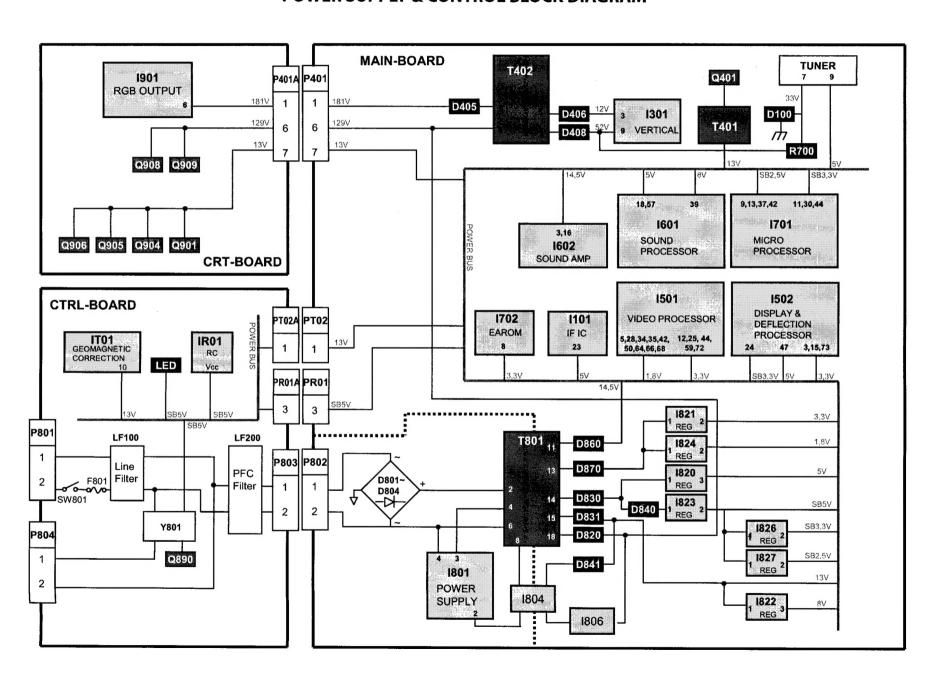
Press + / - buttons to alter the function values.

To exit Service Mode press "MENU" button.

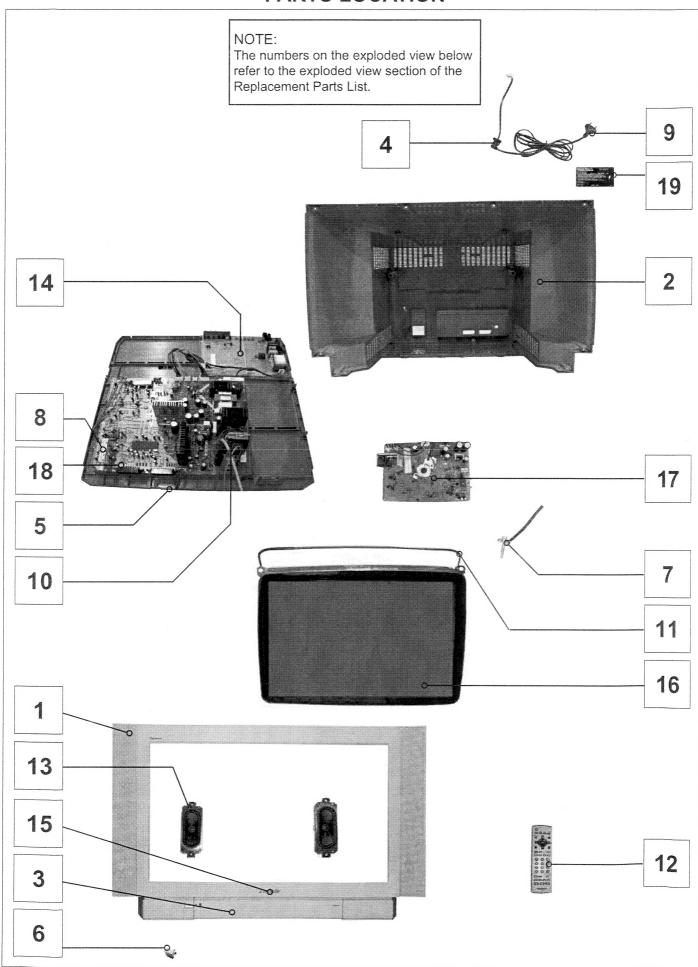
No	Setting in indication Note: All settings are approximate	Settings / Special features
1	PARABOLA	+ 196
2	HOR WIDTH	- 99
3	CORNER T	- 37
4	CORNER B	- 26
5	HOR PARAL	+ 7
6	V. LINEAR	- 1
7	EW-TRAPEZ	+ 35
8	S CORRECT	+ 80
9	VERT CENT	- 5
10	VERT SIZE	- 14
11	SHIPPING	OFF
12	HOR CEN	- 152
13	RED GAIN	+ 322
14	GRN GAIN	+ 308
15	BLUE GAIN	+ 330
16	RED BIAS	+ 121
17	GRN BIAS	+ 262
18	AGC LEVEL	+ 29
19	G2 SCREEN	+ 32
20	AFT	+ 32
21	Bit0 ~ Bit7	Defeate the Outility Details
22	Bit0 ~ Bit7	Refer to the Option Bytes(Page4)
23	Bit0 ~ Bit7	0 x FF
24	AVL	OFF



POWER SUPPLY & CONTROL BLOCK DIAGRAM



PARTS LOCATION



REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by \triangle mark have special characteristics important for safety. * When replacing any of these components, use only manufacturers specified parts. In case of ordering these spare parts, please always add the complete Model-Type number to your order.

Cct Ref	Parts Number	Description	
СОММ	ON PARTS		
EXPLO	DED VIEW		
		CARINET	
1	4852092300	CABINET	
2	4852174700	BACK COVER	
3	4852826101	DOOR	
4	4853535500	HOLDER AC CORD CHASSIS FRAME	
5	4853828210		
6	4854871201	POWER BUTTON	
7	4856017754	SCREW CRT FIX	
8	4859724930	TUNER	
9	4859906210	POWER CORD	
10	50H0000301	F.B.T.	
11	58G0000165	DEGAUSS COIL	
12		REMOTE CONTROL	
13	FB126C2-B1	SPEAKER	
14 15	PTCTMSV32P1F TBM8E1928	CONTROL P.C.B. PANASONIC BADGE	
MISCEL	LANEOUS COMP	ONENTS	
	4853418800	CRT BRACKET A	
	4853418900	CRT BRACKET B	
		DDECET LADEL	
	4855062400	PRESET LABEL	
	4855062400 4855062500	PRESET LABEL	
•			
•	4855062500	PRESET LABEL	
	4855062500 4855555500	PRESET LABEL DECO SENSOR	
	4855062500 4855555500 4857541000	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK	
	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP	
G901	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP	
G901 G902	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904 PWC1A	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904 PWC1A	4855062500 4855555500 4857541000 49519A0110 LA701 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE	
G901 G902 G903 G904 PWC1A	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF	
G901 G902 G903 G904 PWC1A .C.s	4855062500 4855555500 4857541000 49519A0110 LA701 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL	
G901 G902 G903 G904 PWC1A I.C.s	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO	
G901 G902 G903 G904 PWC1A I.C.s	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP	
G901 G902 G903 G904 PWC1A .C.s i101 i301 i501 i502 6601	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND	
G901 G902 G903 G904 PWC1A .C.s 1101 1301 501 502 601	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO	
G901 G902 G903 G904 PWC1A .C.s 1101 1301 501 502 601 602 1704	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET	
G901 G902 G903 G904 PWC1A .C.s 1101 1301 1501 1502 1601 1602 1704	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS	
G900 G901 G902 G903 G904 PWC1A I.C.s I101 I301 I501 I502 I601 I602 I704 I801 I804	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654 LTV817C	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS PHOTO COUPLER	
G901 G902 G903 G904 PWC1A I.C.s I101 I301 I501 I502 I601 I602 I704	4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654	PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS	

	12000		
Cct Ref	Parts Number	Description	
1821	LD1117V33	IC REGULATOR	
1822	L7808CV	IC REGULATOR	
1823	LD1117V50	IC REGULATOR	
1824	LD1117V18	IC REGULATOR	
1826	LD1117V33	IC REGULATOR	
1827	LD1117V25	IC REGULATOR	
1901	TDA6108JF	RGB OUTPUT	
IR01	1TS0P1238W	IC PREAMP	
T01	LA6515	EARTH CORRECTION	
FUSES			
F801	5FSCB4022R	FUSE 4A250V	
DIODES			
D100	DTZX33B	DIODE ZENER	
D101	DBAT85	DIODE	
D103	BA282	DIODE	
D313	DRGP15J	DIODE	
D360	DTZX22C	DIODE	
D361	DTZX33B	DIODE ZENER	
D362	DTZX33B	DIODE ZENER	
D367	DTZX33B	DIODE ZENER	
D404	DFMP3FU	DIODE	
D404 D405	1N4937G	DIODE	
D406	HER308G	DIODE	
D408	1N4937G	DIODE	
D400 D410	1N4937G	DIODE	
D410 D414	1N4937G 1N4004S	DIODE	
D414 D415	1N4937G	DIODE	
D530	1N4148	DIODE	
D531	1N4148	DIODE	
D535	1N4148	DIODE	
D540	1N4148	DIODE	
D541	1N4148	DIODE	
D550	1N4148	DIODE	
D551	1N4148	DIODE	
D602	1N4148	DIODE	
D701	1N4148	DIODE	
D702	1N4148	DIODE	
0720	TZX2V7A	DIODE ZENER	
D730	TZX7V5C	DIODE ZENER	
D 733	TZX7V5C	DIODE ZENER	
0777	DTZX5V6B	DIODE	
D801	LT2A05G	DIODE	
0802	LT2A05G	DIODE	
D803	LT2A05G	DIODE	
D804	LT2A05G	DIODE	
D805	DRGP15J	DIODE	
2806	DRGP15J	DIODE	
2808	DRGP15J	DIODE	
2809	DRGP15J	DIODE	
0811	DTZX6V2	DIODE ZENER	

	Cct Ref	Parts Number	Description
	D821	DRGP15J	DIODE
	D824	1N4148	DIODE
	D825	1N4148	DIODE
	D830	DRGP15J	DIODE
	D831	DRGP15J	DIODE
	D840	1N4004S	DIODE
	D841	1N4004S	DIODE
	D860	DBYW76	DIODE
	D870	DRGP15J	DIODE
	D890	1N4148	DIODE
	D906	1N4148	DIODE
	D907	1N4148	DIODE
	D908	1N4148	DIODE
	D909	1N4148	DIODE
	D910	1N4148	DIODE
	D911	1N4004S	DIODE
	D912	1N4004S	DIODE
	D913	1N4004S	DIODE
	D914	EU1Z	DIODE
	D915	EU1Z	DIODE
	D921	1N4004S	DIODE
	D922	1N4004S	DIODE
	D923	1N4004S	DIODE
	D997	LT2A05G	DIODE
	DA11	DTZX5V6B	DIODE
	DA16	DTZX5V6B	DIODE
	DA17	DTZX5V6B	DIODE
	DA27 DT01	DTZX5V6B DTZX5V6B	DIODE
	DT02	DTZX5V6B	DIODE
	DT02	DTZX5V6B	DIODE
	TRANSIS		DIODE
	Q103	2SC5343Y	TRANSISTOR
	Q104	2SC5343Y	TRANSISTOR
	Q110	2SC5343Y	TRANSISTOR
	Q150 Q151	2SC5343Y	TRANSISTOR
i	Q333	2SC5343Y 2SC5343Y	TRANSISTOR TRANSISTOR
	Q334	2SC5343Y	TRANSISTOR
	Q401	ST2310DH1	TRANSISTOR
	Q402	2SD1207	TRANSISTOR
į	Q502	2SC5343Y	TRANSISTOR
	Q503	2SC5343Y	TRANSISTOR
	Q504	2SA1980Y	TRANSISTOR
	Q542	2SA1980Y	TRANSISTOR
-	Q543	2SA1980Y	TRANSISTOR
	Q544	2SA1980Y	TRANSISTOR
	Q550	2SC5343Y	TRANSISTOR
	Q601	2SA1980Y	TRANSISTOR
1	Q730	2SC5343Y	TRANSISTOR
İ	Q731	2SC5343Y	TRANSISTOR
	Q733	2SC5343Y	TRANSISTOR
	Q734	2SC5343Y	TRANSISTOR
1	Q807	2SC5343Y	TRANSISTOR
İ	Q808	2SC5343Y	TRANSISTOR
	Q809	2SC5343Y	TRANSISTOR
	Q810	2SC5343Y	TRANSISTOR
1	Q811	2SC5343Y	TRANSISTOR
ĺ	Q890	KTC3203-Y	TRANSISTOR
	Q901	2SC5343Y	TRANSISTOR
-	Q902	2SC5343Y	TRANSISTOR
í	Q903	2SC5343Y	TRANSISTOR
	Q904	2SC5343Y	TRANSISTOR
	Q905	2SC5343Y	TRANSISTOR
***	Q906	2SC5343Y	TRANSISTOR
İ	Q907	2SA1980Y	TRANSISTOR

	0.10.6	D. J. N. J.		
	Cct Ref	Parts Number	Description	
	Q908	KTA1659AY	TRANSISTOR	
	Q909	KTC4370AY	TRANSISTOR	
	Q921	TBF423	TRANSISTOR	
	Q922	TBF423	TRANSISTOR	
	Q923	TBF423	TRANSISTOR	
	QR01	2SC5343Y	TRANSISTOR	
	QS01	2SC5343Y	TRANSISTOR	
	QT01	2SC5343Y	TRANSISTOR	
	TRANSF	ORMERS		
			TRANSFORMED DON'T	
	T401	50D25A2	TRANSFORMER DRIVE	٨
	T801	50M4936B4-	TRANSFORMER SMPS	Δ
	COILS			
	L101	5CPX479K	PEAKING COIL	
	L105	PZ479K02	PEAKING COIL	
	L150	TRF-A005	COIL AFT	
	L153	5CPZ120K02	PEAKING COIL	
	L380	58C0000120	COIL CHOKE	ĺ
	L381	58C0000120	COIL CHOKE	
	L402	5MC0000100	COIL BEAD	
	L403	58C0000118	COIL CHOKE	
	L501	5CPZ479K04	COIL PEAKING	i
	L502	5CPZ479K04	COIL PEAKING	
	L506	5CPZ479K04	COIL PEAKING	
	L507	5CPZ100K04	PEAKING COIL	
	L524	5CPZ100K02	PEAKING COIL	i
	L551	5CPZ479K04	COIL PEAKING	
	L568	5CPZ100K02	PEAKING COIL	
	L601	PZ479K02	PEAKING COIL	
	L602	5CPZ100K02	PEAKING COIL	:
-	L603	PZ479K02	PEAKING COIL	İ
I	L605	PZ479K02	PEAKING COIL	
	L650	5MC0000100	COIL BEAD	- !
	L709	5CPZ100K02	PEAKING COIL	,
	L711	5CPZ100K02	PEAKING COIL	
-	L713	5CPZ100K02	PEAKING COIL	
	L730	5CPZ100K02	PEAKING COIL	!
	L737	5CPZ100K02	PEAKING COIL	i
	L742	5CPZ100K02	PEAKING COIL	İ
	L744	5CPZ100K02	PEAKING COIL	
-	L801	5MC0000100	COIL BEAD	1
	L802	58CX430599	COIL CHOKE	i
	L901	5MC0000100	COIL BEAD	
ı	L902	5MC0000100	COIL BEAD	
	L903	5MC0000100	COIL BEAD	
	L903	58C0000116	COIL BEAD	i
	LF200	58C0000110	COIL CHOKE PFC	Δ
ĺ	LP01	PZ569K02	COIL	44
	FILTERS			
	FT03	5PXF1B471M	FILTER	İ
	FT04	5PXF1B471M	FILTER	
	LF100	5PLF24A3	FILTER LINE	Δ
ĺ	SF1	K3953M	FILTER SAW	
	SF2	5PK9650M	FILTER SAW	- 1
	Z153	5PXXT5R5MB	FILTER CERA	
ĺ	Z601	5PXF1B471M	FILTER	
	Z602	5PXF1B471M	FILTER	- 1
	Z603	5PXF1B471M	FILTER	i
١	Z604	5PXF1B471M	FILTER	
١	Z605	5PXF1B471M	FILTER	
	Z606	5PXF1B471M	FILTER	!
	Z607	5PXF1B471M	FILTER	İ
	Z608	5PXF1B471M	FILTER	
	ZT01	5PXF1B471M	FILTER	
	ZT02	5PXF1B471M	FILTER	
				İ

Cct Ref	Parts Number	Description			
		Description	1		
CRYSTA					
X501	5XE20R250E	CRYSTAL C			
X502 X601	5XEX5R000E 5XE18R432E	CRYSTAL C			
X701	E6R0000C	CRYSTAL C			
RESIST		011101112			
R103	ERD25TJ123	CARBON	0.25W	5%	12Κ Ω
R110	RN-4Z1502F	METAL	0.25W	1%	15K Ω
R111	RD-AZ133J-	CARBON	0.17W	5%	13K Ω
R150	ERD25TJ561	CARBON	0.25W	5%	560 Ω
R151	ERD25TJ102	CARBON	0.25W	5%	1K Ω
R152	ERD25TJ271	CARBON	0.25W	5%	270 Ω
R154	RD-AZ470J	CARBON	0.17W	5%	47 Ω
R155 R162	RD-AZ751J ERD25TJ153	CARBON CARBON	.166W 0.25W	5% 5%	750 Ω 15K Ω
R163	ERD25TJ752	CARBON	0.25W	5%	7K5 Ω
R190	ERD25TJ221	CARBON	0.25W	5%	220 Ω
R191	ERD25TJ331	CARBON	0.25W	5%	330 Ω
R301	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R310	RD-AZ432J-	CARBON	0.17W	5%	4K3 Ω
R311	RD-AZ432J-	CARBON	0.17W	5%	4K3 Ω
R331	RS02Y331JS	METAL	2W	5%	330 Ω
R333 R334	ERD25TJ222 ERD25TJ222	CARBON	0.25W 0.25W	5% 5%	2K2 Ω 2K2 Ω
R345	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R350	RN-AZ2201F	METAL	0.17W	-	2Κ2 Ω
R351	RN-AZ2201F	METAL	0.17W	-	2Κ2 Ω
R370	ERD25TJ159	CARBON	0.25W	5%	1.5 Ω
R394	ERD25TJ272	CARBON	0.25W	5%	2Κ7 Ω
R395	ERD25TJ564	CARBON	0.25W	5%	560K Ω
R396 R397	ERD25TJ272 ERD25TJ823	CARBON CARBON	0.25W 0.25W	5% 5%	2K7 Ω 82K Ω
R398	RW02Y828FS	WOUND	0.25VV 2W	1%	R82 Ω
R399	RS02Y829JS	METAL	2W	5%	8R2 Ω
R401	RX05V390J	CEMENT	5W	5%	39 Ω
R410	RS02Y473JS	METAL	2W	5%	47K Ω
R414	ERD25TJ681	CARBON	0.25W	5%	680 Ω
R415	RS02Y561JS	METAL	2W	5%	560 Ω
R416 R420	RD-4Z471J ERD25TJ471	CARBON CARBON	0.25W 0.25W	5% 5%	470 Ω
R424	ERD25TJ471	CARBON	0.25W	5%	470 Ω 4K7 Ω
R430	RD-4Z152J-	CARBON	0.25W	5%	1K5 Ω
R440	RD-4Z334J	CARBON	0.25W	5%	330K Ω
R444	RS02Y330JS	METAL	2W	5%	33 Ω
R501	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R502	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R504	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R507 R509	ERD25TJ562 ERD25TJ472	CARBON CARBON	0.25W 0.25W	5% 5%	5K6 Ω 4K7 Ω
R510	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R511	RD-AZ330J	CARBON	0.17W	5%	33 Ω
R512	RD-AZ330J	CARBON	0.17W	5%	33 Ω
R513	RD-AZ330J	CARBON	0.17W	5%	33 Ω
R514	ERD25TJ151	CARBON	0.25W	5%	150 Ω
R515	ERD25TJ223	CARBON	0.25W	5%	22K Ω
R516 R517	ERD25TJ752 ERD25TJ471	CARBON CARBON	0.25W 0.25W	5% 5%	7K5 Ω 470 Ω
R517	ERD251J471 ERD25TJ750	CARBON	0.25W	5% 5%	75 Ω
R519	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R520	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R524	ERD25TJ391	CARBON	0.25W	5%	390 Ω
R525	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R533	ERD25TJ392	CARBON	0.25W	5%	3K9 Ω
R534	ERD25TJ391	CARBON	0.25W	5%	390 Ω
R535 R537	ERD25TJ122 RD-AZ301J	CARBON CARBON	0.25W 0.17W	5% 5%	1K2 Ω 300 Ω
	TOP PEOP 10	CARDON	0.17 44	J / U	50012

Cct Ref	Parts Number	Description	1		
R538	RD-AZ301J	CARBON	0.17W	5%	300 Ω
R540	ERD25TJ472	CARBON	0.25W		4Κ7 Ω
R545	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R551	ERD25TJ471	CARBON	0.25W	5%	470 Ω
R563	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R564	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R566	ERD25TJ220	CARBON	0.25W	5%	22 Ω
R570	ERD25TJ271	CARBON	0.25W	5%	270 Ω
R576	ERD25TJ151	CARBON	0.25W	5%	150 Ω
R580	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R588	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R590	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R593	RD-AZ203J	CARBON	0.17W	5%	20Κ Ω
R594	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R595	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R599 R602	ERD25TJ151 ERD25TJ104	CARBON CARBON	0.25W 0.25W	5% 5%	150 Ω 100K Ω
R605	ERD25TJ101	CARBON	0.25W	5% 5%	100 Ω
R606	ERD25TJ101	CARBON	0.25W	5% 5%	100 Ω
R614	ERD25TJ101	CARBON	0.25W	5%	1ΚΩ
R615	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R620	RD-AZ242J	CARBON	0.17W	5%	2Κ4 Ω
R621	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R622	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R641	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R642	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R646	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R647	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R649	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R650	ERD25TJ682	CARBON	0.25W	5%	6Κ8 Ω
R651	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R652	ERD25TJ102	CARBON	0.25W	5% 5%	1ΚΩ
R660 R680	ERD25TJ682 ERD25TJ473	CARBON CARBON	0.25W 0.25W	5% 5%	6K8 Ω 47K Ω
R700	ERDS1TJ232	CARBON	0.25W	5% 5%	47K Ω 2K3 Ω
R701	ERD25TJ472	CARBON	0.5W	5%	2K3 Ω 4K7 Ω
R702	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R703	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R704	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R708	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R716	RD-AZ113J	CARBON	0.166	5%	11K Ω
R718	RN-AZ3902F	METAL	0.17W	-	39K Ω
R720	ERD25TJ681	CARBON	0.25W	5%	680 Ω
R733	ERD25TJ223	CARBON	0.25W	5%	22K Ω
R741	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R748	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R777	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R801 R802	DDB7R0M290	POSISTOR METAL	2)//	- E0/	-Ω <u>Λ</u> 75ΚΩ
R802	RS02Y753JS RF01Y158K	METAL FUSIBLE	2W 1W	5% 10%	75K Ω R15 Ω
R805	RD-2Z100J	CARBON	0.5W	10% 5%	10 Ω
R806	RD-2Z1003 RD-2Z472J	CARBON	0.5W	5% 5%	4K7 Ω
R807	RD-2Z272J	CARBON	0.5W	5%	2Κ7 Ω
R808	RD-2Z821J	CARBON	0.5W	5%	820 Ω
R810	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R811	RC-2Z565KP	CARBON	0.5W	10%	5.6M Ω Å
R817	ERD25TJ473	CARBON	0.25W	5%	47Κ Ω
R819	RX10B339JN	SOLID	10W	5%	3R3 Ω
R820	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R821	ERD25TJ102	CARBON	0.25W	5%	1K Ω
R829	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R830	ERD25TJ332	CARBON	0.25W	5%	ЗКЗ Ω
R841	RD-2Z470J	CARBON	0.5W	5%	47 Ω
R850	RS02Y129JS	METAL	2W	-	1R2 Ω
R854	RS02Y569JS	METAL	2W	5%	5R6 Ω
R870	ERD25TJ222	CARBON	0.25W	5%	2Κ2 Ω

Cct Ref	Parts Number	Description	1		
R890	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R891	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R892	RD-AZ470J	CARBON	0.17W	5%	47 Ω
R893	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
R901	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R902	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R903	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R906	RF02Y629J	FUSIBLE	2W	5%	6R2 Ω
R911	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R912	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R913	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R915	RS02Y100JS	METAL	2W	5%	10 Ω
R924	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R925	ERD25TJ471	CARBON	0.25W	5%	470 Ω
R926	RD-2Z471J	CARBON	0.5W	5%	470 Ω
R927	RD-AZ121J	CARBON	0.166	5%	120 Ω
R928	ERD25TJ223	CARBON	0.25W	5%	22K Ω
R929	RD-AZ273J	CARBON	0.17W	5%	27Κ Ω
R930	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R931	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R932	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R933	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R934	ERD25TJ393	CARBON	0.25W	5%	39K Ω
R935	ERD25TJ563	CARBON	0.25W	5%	56K Ω
R936	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R937	ERD25TJ820	CARBON	0.25W	5%	82 Ω
R938	RD-2Z100J	CARBON	0.5W	5%	10 Ω
R939	ERD25TJ820	CARBON	0.25W	5%	82 Ω
R940 R941	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω
R942	ERD25TJ152	CARBON	0.25W	5%	1K5 Ω
R942	ERD25TJ683	CARBON	0.25W	5% 5%	68K Ω
R944	ERD25TJ683 ERD25TJ123	CARBON CARBON	0.25W 0.25W	5%	68K Ω 12K Ω
R945	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω
R946	ERD25TJ152	CARBON	0.25W	5%	1K2 Ω
R947	RD-2Z620J	CARBON	0.5W	5%	62 Ω
R948	RD-2Z279J	CARBON	0.5W	5%	2R7 Ω
R950	RD-2Z279J	CARBON	0.5W	5%	2R7 Ω
R951	RN01B102JS	METAL	1W	5%	1ΚΩ
R952	RD-2Z620J	CARBON	0.5W	5%	62 Ω
R953	ERG2SJS391	METAL	2W	5%	390 Ω
R955	ERD25TJ182	CARBON	0.25W	5%	1Κ8 Ω
R956	RN02B100JS	METAL	2W		10 Ω
R963	ERD25TJ392	CARBON	0.25W		3Κ9 Ω
R964	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω
R965	RD-2Z100J	CARBON	0.5W	5%	10 Ω
R966	ERD25TJ222	CARBON	0.25W	5%	2Κ2 Ω
R967	ERD25TJ431	CARBON	0.25W	5%	430 Ω
R996	ERDS1TJ105	CARBON	0.5W	5%	$1M\Omega$
R997	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ
RA01	ERD25TJ220	CARBON	0.25W	5%	22 Ω
RA15	ERD25TJ680	CARBON	0.25W	5%	68 Ω
RA16	ERD25TJ750	CARBON	0.25W	5%	75 Ω
RA35	ERD25TJ750	CARBON	0.25W	5%	75 Ω
RA88	ERD25TJ750	CARBON	0.25W	5%	75 Ω
RC102	HRFT561JBA	CHIP	0.1W	5%	560 Ω
RC106	HRFT101JBA	CHIP	0.1W	5%	100 Ω
RC107	HRFT101JBA	CHIP	0.1W	5%	100 Ω
RC109	HRFT104JBA	CHIP	0.1W		100K Ω
RC112	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC114	HRFT472JBA	CHIP	0.1W	5%	4K7 Ω
RC118	HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC119	HRFT272JBA	CHIP	0.1W	5%	2Κ7 Ω
RC153	HRFT470JBA	CHIP	0.1W	5%	47 Ω
RC159	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC160	HRFT472JBA	CHIP	0.1W	5%	4K7 Ω

Cct Ref	Parts Number	Description			
RC161	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC164	HRFT752JBA	CHIP	0.1W	5%	7K5 Ω
RC169	HRFT222JBA	CHIP	0.1W	5%	2Κ2 Ω
RC177	HRFT562JBA	CHIP	0.1W	5%	5Κ6 Ω
RC179	HRFT222JBA	CHIP	0.1W	5%	2Κ2 Ω
RC501	HRFT221JBA	CHIP	0.1W	5%	220 Ω
RC506	HRFT750JBA	CHIP	0.1W	5%	75 Ω
RC513	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC516	HRFT471JBA	CHIP	0.1W	5%	470 Ω
RC517	HRFT332JBA	CHIP	0.1W	5%	3K3 Ω
RC518	HRFT151JBA HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC519 RC527	HRFT333JBA	CHIP	0.1W 0.1W	5% 5%	150 Ω 33K Ω
RC530	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC532	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC550	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC551	HRFT471JBA	CHIP	0.1W	5%	470 Ω
RC560	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC568	HRFT102JBA	CHIP	0.1W	5%	1K Ω
RC577	HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC578	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC579	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC580	HRFT821JBA	CHIP	0.1W	5%	820 Ω
RC581 RC582	HRFT102JBA HRFT102JBA	CHIP	0.1W 0.1W	5% 5%	1ΚΩ 1ΚΩ
RC583	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC584	HRFT821JBA	CHIP	0.1W	5%	820 Ω
RC585	HRFT911JBA	CHIP	0.1W	5%	910 Ω
RC586	HRFT911JBA	CHIP	0.1W	5%	910 Ω
RC587	HRFT821JBA	CHIP	0.1W	5%	820 Ω
RC589	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC591	HRFT393JBA	CHIP	0.1W	5%	39K Ω
RC595	HRFT271JBA	CHIP	0.1W	5%	270 Ω
RC598	HRFT271JBA	CHIP	0.1W	5%	270 Ω
RC661	HRFT512JBA	CHIP	0.1W	5%	5Κ1 Ω
RC662 RC701	HRFT512JBA HRFT103JBA	CHIP	0.1W 0.1W	5% 5%	5K1 Ω 10K Ω
RC715	HRFT103JBA	CHIP	0.1W	5%	10ΚΩ
RC718	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC725	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC729	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC730	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC731	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC732	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC733	HRFT473JBA	CHIP	0.1W	5%	47K Ω
RC734	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC735	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC736 RC737	HRFT103JBA HRFT682JBA	CHIP	0.1W	5%	10K Ω
RC737	HRFT000-BA	CHIP	0.1W 0.1W	5%	6K8 Ω 0 Ω
RC739	HRFT000-BA	CHIP	0.1W		0Ω
RC740	HRFT000-BA	CHIP	0.1W	_	0Ω
RC741	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC742	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC743	HRFT682JBA	CHIP	0.1W	5%	6K8 Ω
RC750	HRFT183JBA	CHIP	0.1W	5%	18K Ω
RC751	HRFT472JBA	CHIP	0.1W	5%	4Κ7 Ω
RC770	HRFT332JBA	CHIP	0.1W	5%	3Κ3 Ω
RC781	HRFT332JBA	CHIP	0.1W	5%	3K3 Ω
RC787	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC788 RC789	HRFT103JBA HRFT103JBA	CHIP	0.1W	5% 5%	10K Ω
RC790	HRFT512JBA	CHIP	0.1W 0.1W	5% 5%	10K Ω 5K1 Ω
RC791	HRFT103JBA	CHIP	0.1W	5% 5%	10K Ω
RC799	HRFT472JBA	CHIP	0.1W	5%	4K7 Ω
RCS02	HRFT223JBA	CHIP	0.1W	5%	22K Ω

Cct Ref	Parts Number	Description			
RCS03	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RR01	ERD25TJ151	CARBON	0.25W	5%	150 Ω
RR02	RD-4Z241J	CARBON	0.25W	5%	240 Ω
RR03	ERD25TJ391	CARBON	0.25W	5%	390 Ω
RR04	ERD25TJ102	CARBON	0.25W	5%	1K Ω
RR05	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
RR06	ERD25TJ221	CARBON	0.25W	5%	220 Ω
RR08	ERD25TJ331	CARBON	0.25W	5%	330 Ω
RR10	ERD25TJ102	CARBON	0.25W	5%	1K Ω
RR11	ERD25TJ101	CARBON	0.25W	5%	100 Ω
RS01	ERD25TJ271	CARBON	0.25W	5%	270 Ω
RS04 RT01	ERD25TJ151	CARBON	0.25W	5%	150 Ω
RT02	ERD25TJ392 RD-2Z229J	CARBON	0.25W 0.5W	5% 5%	3K9 Ω 2R2 Ω
RT03	RD-AZ273J	CARBON	0.17W	5%	27ΚΩ
RT04	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω
RT06	ERD25TJ103	CARBON	0.25W	5%	10K Ω
RT07	RD-AZ273J	CARBON	0.17W	5%	27Κ Ω
RT08	ERD25TJ103	CARBON	0.25W	5%	10K Ω
RT09	ERD25TJ272	CARBON	0.25W	5%	2Κ7 Ω
RT10	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
RT11	ERD25TJ473	CARBON	0.25W	5%	47K Ω
RT12	RD-2Z229J	CARBON	0.5W	5%	2R2 Ω
RT13	ERD25TJ102	CARBON	0.25W	5%	1K Ω
RT14	RD-AZ302J-	CARBON	0.17W	5%	ЗК Ω
RT16	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
RT18	ERDS1TJ151	CARBON	0.5W	5%	150 Ω
RT19 RT20	ERDS1TJ151 ERD25TJ750	CARBON CARBON	0.5W 0.25W	5% 5%	150 Ω 75 Ω
CAPACI		CARBUN	0.25	376	7511
C101	ECKC1H101J	CERAMIC	50V		100pF
C102 C106	ECEA1ES470 CEXF1H221V	ELECT	25V 50V		47µF
C108	ECEA1H229	ELECT	50V		220μF 2.2μF
C118	ECQV1J474JMW	FILM	63V		470nF
C121	ECEA1ES470	ELECT	25V		47µF
C150	CEXF1E100V	ELECT	25V		10µF
C152	CEXF1E100V	ELECT	25V		10µF
C153	ECEA1H229	ELECT	50V		2.2µF
C157	CEXF1E100V	ELECT	25V		10μF
C161	CZCH1H220J	CERAMIC	50V		22pF
C164	ECEA1ES470	ELECT	25V		47µF
C188	CEXF1E100V	ELECT	25V		10µF
C301	CMXM2A224J	FILM	100V		0.22µF
C305	ECEA1ES221	ELECT	25V		220µF
C313 C315	CMXM2A104J ECEA1H101	MYLAR ELECT	100V 50V		100nF
C320	CBXF1H104Z	CERAMIC	50V		100µF 0.1µF
C340	CMXM2A683J	FILM	100V		68nF
C350	CMXM2A223J	MYLAR	100V		22nF
C351	CMXM2A223J	MYLAR	100V		22nF
C370	ECCR1H473J	CERAMIC	50V		47nF
C401	ECEA1ES101	ELECT	25V		100µF
C405	CMYE2J183J	MYLAR	630V		18nF
C407	ECCR2H102J	CERAMIC	500V		1nF
C408	CMYF2G304J	MYLAR	400V		300nF
C410	CCXB2H681K	CERAMIC	500V		680pF
C411	ECEA2CS339	ELECT	160V		3.3µF
C415	ECA2EM100B	ELECT	250V		10µF
C416 C417	CCYR3D471K CMYE2G103J	CERAMIC	2kV		470pF
C417	CMYE2G103J CEYD1H689W	MYLAR ELECT	400V 50V		10nF 6.8µF
C416	CMXM2A333J	MYLAR	100V		33nF
C425	ECCR1H472J	CERAMIC	50V		4.7nF
C440	ECKC1H221J	CERAMIC	50V		220pF
C501	CEXF1E100V	ELECT	25V		10µF

Cct Ref	Parts Number	Description		
C502	CEXF1E100V	ELECT	25V	10µF
C503	CEXF1E100V	ELECT	25V	10µF
C504	CEXF1E100V	ELECT	25V	10μF
C505	ECEA1H100	ELECT	50V	10µF
C506	CEXF1E100V	ELECT	25V	10µF
C508	CCZB1H473K	CERAMIC	50V	47nF
C509	CCZB1H473K	CERAMIC	50V	47nF
C510	CCZB1H473K	CERAMIC	50V	47nF
C515	CBZF1H104Z	CERAMIC	50V	100nF
C516 C517	CBZF1H104Z CBZF1H104Z	CERAMIC CERAMIC	50V	100nF
C517	CBZF1H104Z	CERAMIC	50V 50V	100nF 100nF
C519	CBZF1H104Z	CERAMIC	50V	100nF
C524	ECEA1ES470	ELECT	25V	47µF
C530	CEXF1E100V	ELECT	25V	10µF
C532	ECKC1H103J	CERAMIC	50V	10nF
C534	ECKC1H103J	CERAMIC	50V	10nF
C536	ECKC1H102J	CERAMIC	50V	1nF
C537	ECKC1H103J	CERAMIC	50V	10nF
C538	ECKC1H103J	CERAMIC	50V	10nF
C540	CCZB1H333K	CERAMIC	50V	33nF
C550	CEXF1E100V	ELECT	25V	10µF
C551	CEXF1E100V	ELECT	25V	10µF
C553	ECKC1H103J	CERAMIC	50V	10nF
C557	CBZF1H104Z	CERAMIC	50V	100nF
C558 C560	CBZF1H104Z	CERAMIC	50V	100nF
C560 C561	ECEA1ES101	ELECT	25V	100μF
C568	CEXF1H339V ECEA1ES101	ELECT	50V 25V	3.3µF 100µF
C590	ECEA1H109	ELECT	50V	1υομε 1μF
C602	ECEA1ES221	ELECT	25V	220µF
C604	ECEA1ES102	ELECT	25V	1000µF
C605	ECEA1ES470	ELECT	25V	47µF
C608	CEXF1E100V	ELECT	25V	10µF
C610	CEXF1E100V	ELECT	25V	10µF
C611	CEXF1H339V	ELECT	50V	3.3µF
C612	ECEA1H109	ELECT	50V	1µF
C613	ECEA1H109	ELECT	50V	1µF
C614	ECEA1H109	ELECT	50V	1µF
C615	ECEA1H109	ELECT	50V	1µF
C616	CEXF1E100V	ELECT	25V	10µF
C623	ECEA1H109	ELECT	50V	1µF
C624 C625	ECEA1H109 ECEA1ES101	ELECT	50V 25V	1μF 100μF
C626	ECEA1ES101	ELECT	25V	100μF
C630	ECEA1ES470	ELECT	25V	47µF
C634	CEXF1E100V	ELECT	25V	10µF
C636	ECEA1ES470	ELECT	25V	47μF
C641	ECEA1ES101	ELECT	25V	100µF
C642	ECEA1ES101	ELECT	25V	100µF
C650	CZSL1H680J	CERAMIC	50V	68pF
C660	CEXF1E100V	ELECT	25V	10µF
C661	CMXM2A224J	FILM	100V	0.22µF
C662	CMXM2A224J	FILM	100V	0.22µF
C666	CBXF1H104Z	CERAMIC	50V	0.1µF
C668 C669	CMXM2A224J CMXM2A224J	FILM	100V	0.22µF
C709	ECEA1ES101	FILM ELECT	100V	0.22µF
C711	ECEA1ES101	ELECT	25V 25V	100µF 100µF
C712	CBZF1H104Z	CERAMIC	50V	100nF
C713	CEXF1E100V	ELECT	25V	10µF
C730	CEXF1E100V	ELECT	25V	10µF
C733	ECEA1H229	ELECT	50V	2.2µF
C737	CEXF1E100V	ELECT	25V	10µF
C742	CEXF1E100V	ELECT	25V	10µF
C744	CEXF1E100V	ELECT	25V	10µF

Cct Ref	Parts Number	Description		**	
C802	CL1UC3474M	CERAMIC	250V	470nF	Α
C803	ECCR3A472J	CERAMIC	1kV	4.7nF	
C804	ECCR3A472J	CERAMIC	1kV	4.7nF	
C805	ECA2GM181B	ELECT	400V	180µF	
C806	ECEA1H330	ELECT	50V	33µF	
C807	CCZF1H473Z	CERAMIC	50V	47nF	
C808	ECEA1H100	ELECT	50V	10µF	
C809	ECCR1H102J	CERAMIC	50V	1nF	
C811	CCXR3D221K	CERAMIC	2000V	220pF	
C812	CH1BFE472M	CERAMIC	400V	4.7nF	A
C813	ECA2EM101	ELECT	250V	100µF	
C814	CEYF2E470V	ELECT	250V	47µF	
C820	CCXR3A471K	CERAMIC	1KV	470pF	
C821	ECCR1H102J	CERAMIC	50V	1nF	
C823 C824	ECEA1ES102	ELECT	25V	1000µF	
C830	ECCR3A471J CBZF1H104Z	CERAMIC CERAMIC	1KV 50V	470pF	
C831	ECCR3A471J	CERAMIC	1KV	100nF 470pF	
C832	ECEA1ES102	ELECT	.25V	1000µF	
C835	ECEA1ES102 ECEA1ES470	ELECT	25V	47μF	
C840	ECEA1CS332	ELECT	16V	3300µF	
C841	ECEA1CS222	ELECT	16V	2200µF	
C844	ECEA1ES101	ELECT	25V	100µF	
C845	ECEA1ES102	ELECT	25V	1000µF	
C846	ECEA1ES101	ELECT	25V	100µF	
C847	ECEA1H100	ELECT	50V	10µF	
C850	CCXB1H821K	CERAMIC	50V	820pF	
C861	ECEA1ES102	ELECT	25V	1000µF	
C863	ECEA1ES101	ELECT	25V	100µF	
C864	ECEA1H100	ELECT	50V	10µF	
C866	CCXR3A471K	CERAMIC	1KV	470pF	
C870	ECCR3A471J	CERAMIC	1KV	470pF	
C871	ECEA1ES102	ELECT	25V	1000µF	
C876	ECEA1ES470	ELECT	25V	47µF	
C880	ECEA1ES101	ELECT	25V	100µF	
C888	ECEA1H229	ELECT	50V	2.2µF	
C900	CCXB3D102K	CERAMIC	2kV	1nF	
C902	CMXL2E104K	MYLAR	250V	100nF	
C910 C911	ECA2EM4R7B ECA2EM4R7B	ELECT	250V	4.7µF	
C915	CMXM2A822J	MYLAR	250V 100V	4.7µF 8.2nF	
C916	ECEA1ES470	ELECT	25V	47µF	
C917	CCZB1H391K	CERAMIC	50V	390pF	
C918	ECKC1H103J	CERAMIC	50V	10nF	
C919	ECKC1H102J	CERAMIC	50V	1nF	
C920	ECEA1ES470	ELECT	25V	47µF	
C921	CMXM2A102J	MYLAR	100V	1nF	
C922	CMXM2A102J	MYLAR	100V	1nF	
C923	CMXM2A102J	MYLAR	100V	1nF	
C924	ECCR1H101J	CERAMIC	50V	100pF	
C925	ECA2EM100B	ELECT	250V	10µF	
C941	ECEA2CS470	ELECT	160V	47µF	
C942	ECA2EM100B	ELECT	250V	10µF	
C943	ECEA2CS470	ELECT	160V	47µF	
C944	CXSL2H560J	CERAMIC	500V	56pF	
C945	ECA2EM100B	ELECT	250V	10µF	
C946	CCXB2H472K	CERAMIC	500V	4700pF	
C947	CCXB2H472K	CERAMIC	500V	4700pF	
C948	ECCR1H101J	CERAMIC	50V	100pF	
C997	ECA2EM100B	ELECT	250V	10µF	
CC01	HCBK471KBA	CHIP CER	50V	470pF	
CC02 CC03	HCBK471KBA	CHIP CER	50V 50V	470pF 470pF	
CC03	HCBK471KBA HCBK471KBA	CHIP CER	50V	470pF 470pF	
CC05	HCBK471KBA	CHIP CER	50V	470pF	
CC06	HCBK471KBA	CHIP CER	50V	470pF	

Cct Ref	Parts Number	Description		
			50)/	470-E
CC07	HCBK471KBA	CHIP CER	50V	470pF
CC08	HCBK471KBA	CHIP CER	50V	470pF
CC10	HCBK102KBA	CHIP CER	50V	1nF
CC13	HCBK102KBA HCBK102KBA	CHIP CER	50V	1nF
CC14		CHIP CER	50V	1nF
CC15	HCBK102KBA HCBK102KBA	CHIP CER	50V	1nF
CC16	HCBK102KBA	CHIP CER	50V	1nF
CC17	HCBK102KBA	CHIP CER	50V	1nF
CC18 CC19	HCBK102KBA	CHIP CER	50V 50V	1nF 1nF
CC19	HCBK102KBA	CHIP CER	50V 50V	1nF
CC101	HCBK102KBA	CHIP CER	50V 50V	
	HCBK103KBA	CHIP CER	50V 50V	1nF
CC110 CC111	HCBK103KBA	CHIP CER	50V 50V	10nF 10nF
CC111	HCBK103KBA	CHIP CER	50V 50V	1nF
CC112	HCBK104KBA	CHIP CER	50V 50V	100nF
CC113	HCBK104KBA	CHIP CER	50V 50V	
CC117	HCBK103KBA	CHIP CER	50V 50V	10nF
CC119	HCQK150JBA	CHIP CER		10nF
	HCBK102KBA		50V 50V	15pF
CC127		CHIP CER		1nF
CC129	HCBK103KBA	CHIP CER	50V	10nF
CC136	HCBK104KBA	CHIP CER	50V	100nF
CC158	HCBK104KBA	CHIP CER	50V	100nF
CC160	HCBK103KBA	CHIP CER	50V	10nF
CC166	HCQK470JBA	CHIP CER	50V	47pF
CC177	HCQK470JBA	CHIP CER	50V	47pF
CC501	HCBK102KBA	CHIP CER	50V	1nF
CC502	HCBK102KBA	CHIP CER	50V	1nF
CC503	HCFF334ZBA	CHIP CER	16V	330nF
CC504	HCQK100JBA	CHIP CER	50V	10pF
CC505	HCBK102KBA	CHIP CER	50V	1nF
CC506	HCBK104KBA	CHIP CER	50V	100nF
CC507	HCBK102KBA	CHIP CER	50V	1nF
CC508	HCBK102KBA	CHIP CER	50V	1nF
CC509	HCBK102KBA	CHIP CER	50V	1nF
CC511	HCBK102KBA	CHIP CER	50V	1nF
CC512	HCBK102KBA	CHIP CER	50V	1nF
CC513	HCBK102KBA	CHIP CER	50V	1nF
CC514	HCBK104KBA	CHIP CER	50V	100nF
CC515	HCQK470JBA	CHIP CER	50V	47pF
CC516	HCQK470JBA	CHIP CER	50V	47pF
CC517	HCBK104KBA	CHIP CER	50V	100nF
CC518	HCBK104KBA	CHIP CER	50V	100nF
CC521	HCBK104KBA	CHIP CER	50V	100nF
CC522	HCBK104KBA	CHIP CER	50V	100nF
CC523	HCBK104KBA	CHIP CER	50V	100nF
CC524	HCBK102KBA	CHIP CER	50V	1nF
CC526	HCQK220JBA HCQK220JBA	CHIP CER	50V	22pF
CC527 CC528		CHIP CER CHIP CER	50V	22pF
	HCBK102KBA HCBK104KBA		50V	1nF
CC549 CC550		CHIP CER CHIP CER	50V	100nF
	HCBK104KBA	CHIP CER	50V	100nF
CC551 CC552	HCBK104KBA HCQK270JBA	CHIP CER	50V	100nF
CC552	HCQK270JBA	CHIP CER	50V	27pF
			50V	27pF
CC556 CC560	HCBK102KBA HCBK102KBA	CHIP CER CHIP CER	50V	1nF
CC561	HCBK104KBA	CHIP CER	50V	1nF 100nF
CC567	HCBK102KBA		50V	100nF 1nF
CC567		CHIP CER CHIP CER	50V	
CC568	HCBK104KBA		50V	100nF
CC569 CC570	HCBK102KBA HCBK104KBA	CHIP CER	50V	1nF
CC578	HCBK561KBA	CHIP CER	50V	100nF
CC578	HCBK561KBA	CHIP CER	50V	560pF
CC579	HCBK561KBA	CHIP CER CHIP CER	50V	560pF
CC569	HCBK472KBA	HIP CERA	50V 50V	560pF 4.7nF
	. IODIATENDA	· III OLIVA	00 V	3.710

Cct Ref	Parts Number	Description			
CC602	HCBK472KBA	HIP CERA	50V	4.7nF	
CC617	HCBK104KBA	CHIP CER	50V	100nF	
CC620	HCQK309CBA	CHIP CER	50V	3pF	
CC621	HCQK309CBA	CHIP CER	50V	3pF	
CC622	HCQK680JBA	CHIP CER	50V	68pF	
CC629	HCBK104KBA	CHIP CER	50V	100nF	
CC631	HCBK104KBA	CHIP CER	50V	100nF	
CC635	HCBK104KBA	CHIP CER	50V	100nF	
CC665	HCBK222KBA	CHIP CER	50V	2.2nF	
CC667	HCBK222KBA	CHIP CER	50V	2.2nF	
CC680	HCBK102KBA	CHIP CER	50V	1nF	
CC701	HCBK103KBA	CHIP CER	50V	10nF	
CC709	HCBK104KBA	CHIP CER	50V	100nF	
CC710 CC711	HCBK104KBA HCBK104KBA	CHIP CER	50V	100nF	
CC711	HCQK151JBA	CHIP CER	50V 50V	100nF	
CC712	HCBK104KBA	CHIP CER	50V 50V	150pF 100nF	
CC715	HCBK104KBA	CHIP CER	50V 50V	100nF	
CC716	HCBK103KBA	CHIP CER	50V	100nF	
CC716 CC720	HCBK103KBA	CHIP CER	50V 50V	10nF	
CC726	HCQK330JBA	CHIP CER	50V	33pF	
CC727	HCQK330JBA	CHIP CER	50V	33pF	
CC727	HCBK104KBA	CHIP CER	50V 50V	33pF 100nF	
CC730 CC737	HCBK102KBA	CHIP CER	50V	1nF	
CC742	HCBK102KBA	CHIP CER	50V	1nF	
CC742	HCBK102KBA	CHIP CER	50V	1nF	
CC777	HCBK104KBA	CHIP CER	50V	100nF	
CCS02	HCBK102KBA	CHIP CER	50V	1nF	
CR01	ECEA1CS101	ELECT	16V	100µF	
CS01	CMXM2A224J	FILM	100V	0.22µF	
CT01	ECQV1J474JMW	FILM	63V	470nF	
CT02	ECQV1J474JMW	FILM	63V	470nF	
CT03	ECEA1ES470	ELECT	25V	47µF	
CT05	ECKC1H103J	CERAMIC	50V	10nF	
CT09	ECEA1ES470	ELECT	25V	47µF	
CT11	CMXB2A224J	MYLAR	100V	220nF	
CT13	ECEA1ES470	ELECT	25V	47µF	
CT16	ECEA1H479	ELECT	50V	4.7µF	
CT18	ECEA1H479	ELECT	50V	4.7µF	
TERMIN.	ALS AND LINKS				
JP01	4859117320	AV TERMINAL			
JPA1	4859200401	AV TERMINAL			
	4859200401	AV TERMINAL			
		SOCKET CRT			A
SWITCH					-
		SWITCH			
SW700 SW701	5S50101Z90 5S50101Z90	SWITCH			
		SWITCH			
		SWITCH			
SW703		SWITCH			
SW801	ESB92S11B	SWITCH			Δ
RELAYS		3441011			YI)
		DEI 43:			,
Y801 DIFFFF	5SC0101340 RENCES FOR	RELAY MODEL TX	32F5	nn	A
		MODEL 1X	J2 L J		
	ED VIEW				
	W76QEN693X17				Δ
	PTCPMSV32P1D				A
18		MAIN P.C.B.			Δ
19	DMP4532800	MODEL LABEL			
	CTION BOOKS				
NSTRU	STION BOOKS				

Cct Ref		
I701 SDA5532E50D IC MICOM OTP I702 X24C32E50D IC MEMORY COILS L401 TRL-5R0D COIL H-LINEARITY RESISTORS		
I702 X24C32E50D IC MEMORY COILS L401 TRL-5R0D COIL H-LINEARITY RESISTORS		
COILS L401 TRL-5R0D COIL H-LINEARITY RESISTORS		
L401 TRL-5R0D COIL H-LINEARITY RESISTORS		
RESISTORS		
R921 RD-2Z561J CARRON 0.5W 5%		
	560 Ω	
	560 Ω	
R923 RD-2Z561J CARBON 0.5W 5%	560 Ω	
CAPACITORS		
C404 CMYH3C113J MYLAR 1.6KV 1	1nF	
TERMINALS AND LINKS		
P902 4859205620 CONNECTOR		
DIFFERENCES FOR MODEL TX32PS12D		
EXPLODED VIEW		
16 W76QEN693X17 C.R.T.		A
17 PTCPMSV32P1F CRT P.C.B.		Δ
18 PTMP32PS12D MAIN P.C.B.		A
19 DMP4531300 MODEL LABEL		
INSTRUCTION BOOKS		
. TQB0E0239A-M GERMAN		
. TQB0E0239B-M DUTCH		
. TQB0E0239C-M ITALIAN		
TQB0E0239D-M FRENCH		
I.C.s		
1701 SDA5532PS12D IC MICOM OTP		
1702 X24C32PS12D IC MEMORY		
COILS		
L401 TRL-5R0D COIL H-LINEARITY		
RESISTORS		
R921 ERDS1TJ102 CARBON 0.5W 5%	1ΚΩ	
R922 ERDS1TJ102 CARBON 0.5W 5%	1ΚΩ	
R923 ERDS1TJ102 CARBON 0.5W 5% CAPACITORS	1ΚΩ	
	1nF	
TERMINALS AND LINKS		
P902 4859205620 CONNECTOR		
DIFFERENCES FOR MODEL TX32PS12F		
EXPLODED VIEW		
16 W76QEN693X17 C.R.T.		Δ
17 PTCPMSV32P1F CRT P.C.B.		⚠
18 PTMP32PS12F MAIN P.C.B.		Δ
19 DMP4531400 MODEL LABEL		
INSTRUCTION BOOKS		
. TQB0E0240D-M FRENCH		
. TQB0E0240E-M SPANISH		
. TQB0E0240F-M SWEDISH		
. TQB0E0240G-M NORWEGIAN		
. TQB0E0240H-M FINNISH		
. TQB0E0240K-M DANISH		ı
I.C.s		ĺ
I701 SDA5532PS12F IC MICOM OTP		
I702 X24C32PS12F IC MEMORY		
I702 X24C32PS12F IC MEMORY COILS		-
I702 X24C32PS12F IC MEMORY		
I702 X24C32PS12F IC MEMORY COILS		

Cct Ref	Parts Number	Description				
RESIST	ORS					
R921	ERDS1TJ102	CARBON	0.5W	5%	1Κ Ω	
R922	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ	
R923	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ	
CAPACI	TORS					
C404	CMYH3C113J	MYLAR	1.6KV		11nF	
TERMIN	ALS AND LINKS					
P902	4859205620	CONNECTOR				
DIFFE	RENCES FOR	MODEL TX	(32F	S12F	.	
EXPLOI	DED VIEW					
16	W76MAF185X72	C.R.T.				
17	PTCPMSV32P1M	CRT P.C.B.				
18	PTMP32PS12P	MAIN P.C.B.				
19	DMP4530500	MODEL LABE	L			
NSTRU	CTION BOOKS		_			
	TQB0E0241M-M	BULGARIAN				
	TQB0E0241N-M	ROMANIAN				
	TQB0E0241P-M	POLISH				
	TQB0E0241Q-M	HUNGARIAN				
	TQB0E0241R-M	CZECH				
	TQB0E0241U-M	ENGLISH				
	TQB0E0241W-M	SLOVAKIAN				
.C.s						
701	SDA5532PS12P	IC MICOM OT	P			
702	X24C32PS12P	IC MEMORY				
COILS						
₋ 401	TRL-6R3D	COIL H-LINEA	RITY			
RESIST	ORS					
R921	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ	
R922	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ	
R923	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ	
CAPACI	TORS					
C404	CMYH3C103J	MYLAR	1.6K		10nF	
TERMIN	ALS AND LINKS					
P902	97P62A09A3	CONNECTOR				

OCC IXEI	raits ituilibei	Description	 _
			į
			i
			-
			i
			į
			ļ
			ĺ
			ı
			!
			i
			!
			1
			İ
			-
			İ
			1
			i
			i
			İ
			!
			J

Cct Ref

Parts Number

Description

SCHEMATIC DIAGRAMS FOR MODELS TX-32E50D, TX-32PS12D, TX-32PS12F, TX-32PS12P (CP-830FP CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by A mark have special characteristics important for safety.

When replacing any of these components, use only manufacturers' specified parts.

NOTE

1. RESISTOR

All resistors are carbon ½W resistor, unless marked otherwise. Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)

2. CAPACITORS

All capacitors are ceramic 50V unless marked otherwise. Unit of capacitance is µF unless otherwise stated.

3 COIL

Unit of inductance is µH, unless otherwise stated.

4. EARTH SYMBOL

Chassis Earth (Cold)

Line Earth (Hot)

5. VOLTAGE MEASUREMENT

Voltage is measured by a d.c. voltmeter. Measurement conditions are as follows:

Power source

a.c. 220V-240V, 50Hz

Receiving Signal

Colour Bar signal (RF)

All customer controls

Maximum position

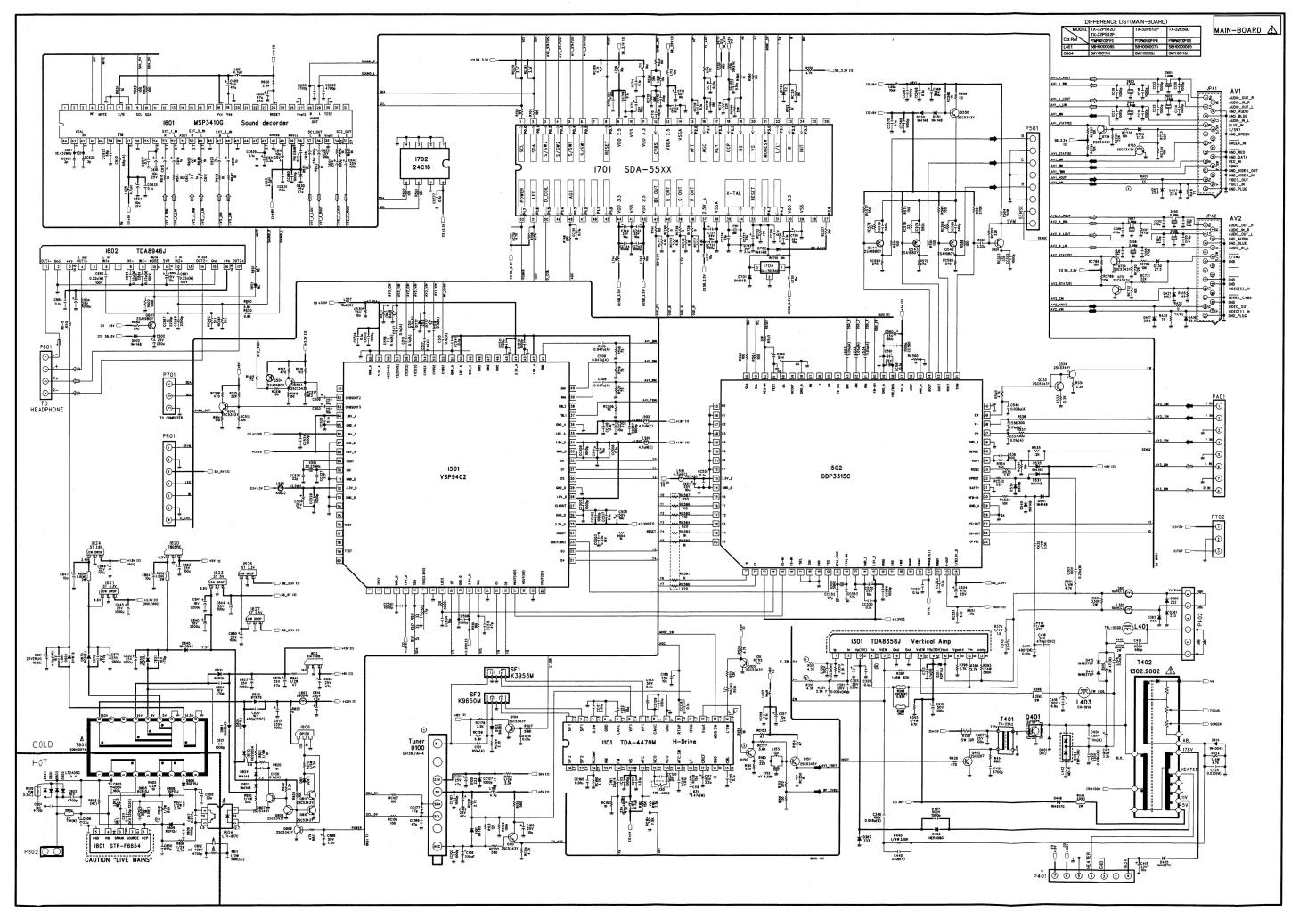
These schematic diagrams are the latest at time of printing and are subject to change without notice.

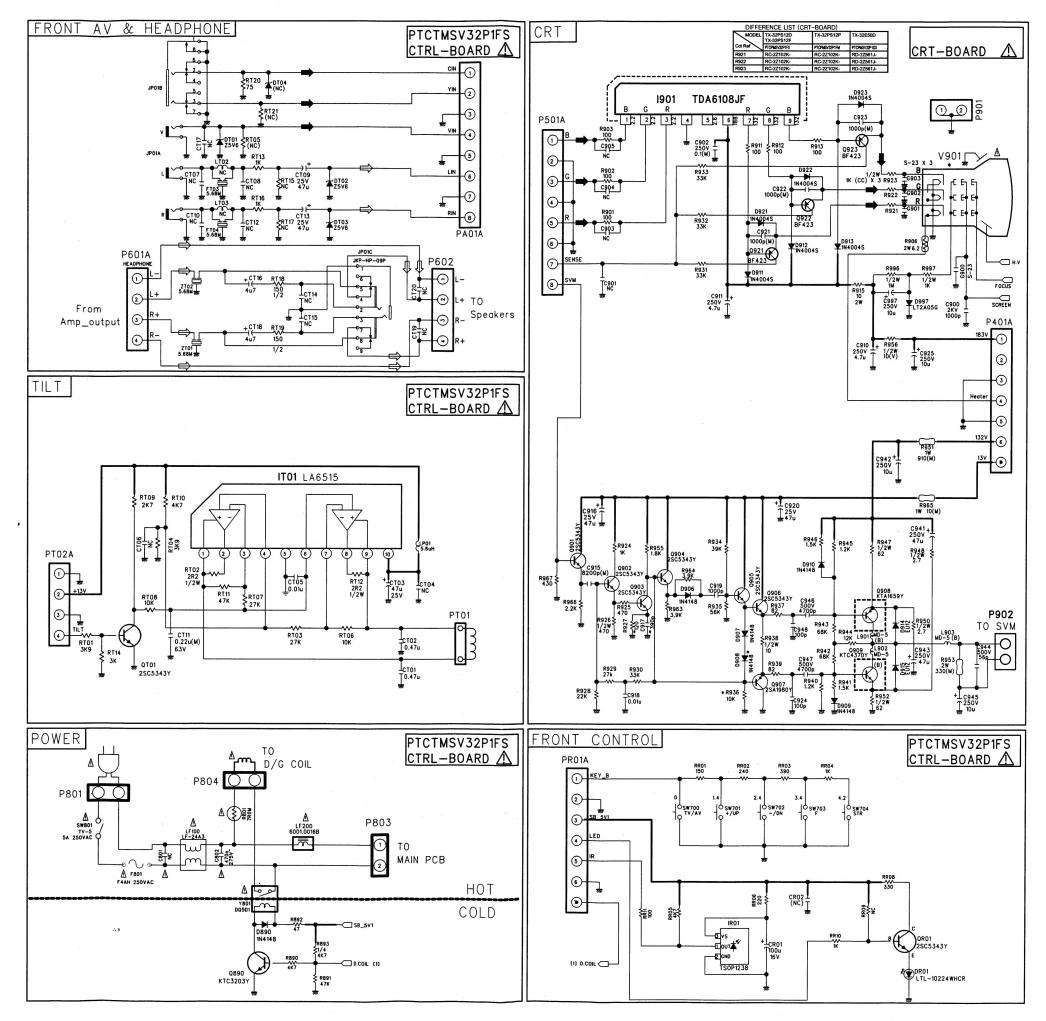
REMARKS

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

NOTE

1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

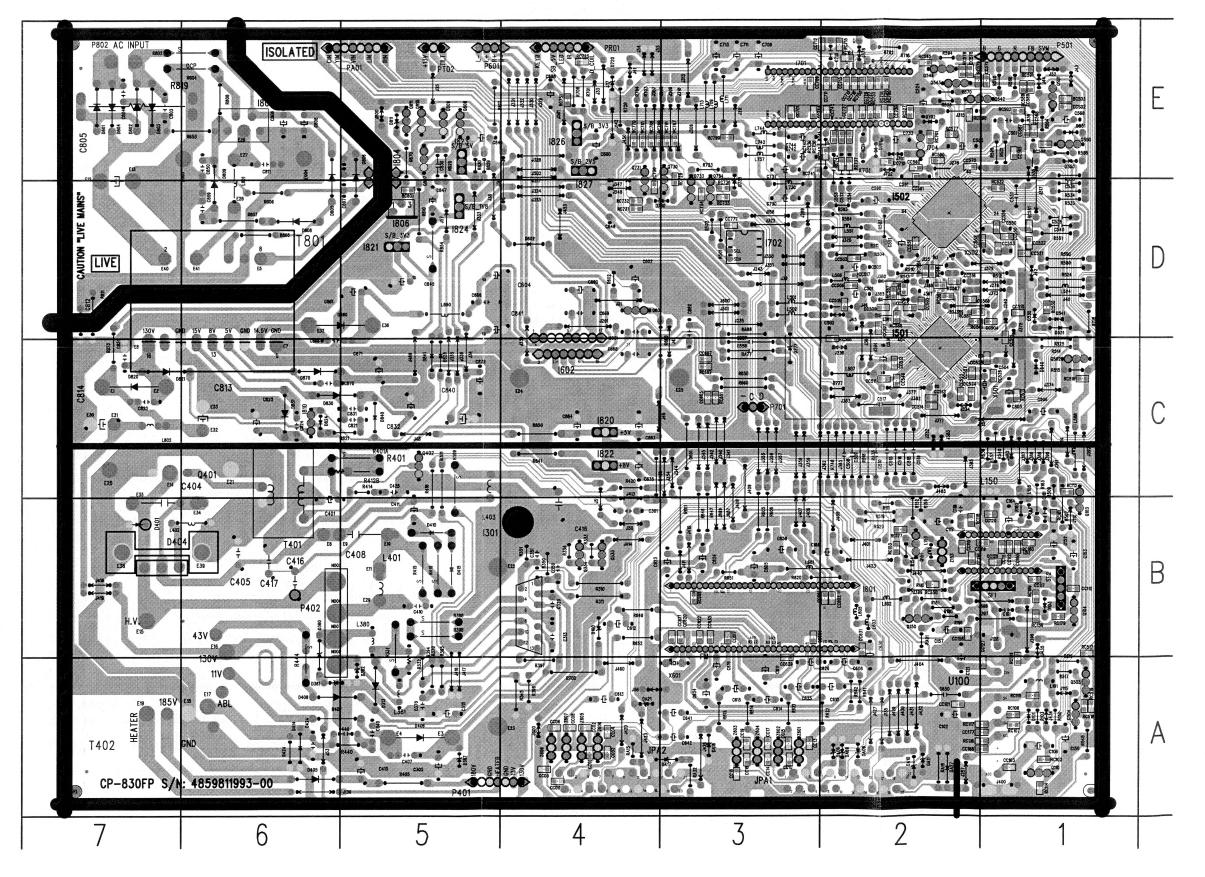




CONDUCTOR VIEWS FOR MODELS TX-32E50D, TX-32PS12D, TX-32PS12F, TX-32PS12P MAIN-BOARD

MODEL	TX-32PS12D TX-32PS12F	TX-32PS12P	TX-32E50D
BOARD DESCRIPTION	PTMPMSV32P1FS	PTMPMSV32P1FM	PTMPMSV32P1DS

TRAN	ν'S	D103	B1	D830	C6
Q103	B1	D313	A5	D831	C6
Q104	B1	D360	В6	D840	C5
Q110	A1	D361	A6	D841	C5
Q150	В2	D362	A5	D860	D5
Q151	В2	D367	A5	D870	C6
Q333	B4	D404	В7	IC'S	3
Q334	В4	D405	A6	1101	В1
Q401	C7	D406	A5	1301	В4
Q402	C5	D408	A6	1501	C2
Q502	C1	D410	B5	1502	D2
Q503	A1	D414	A6	1601	B3
Q504	A1	D415	B5	1602	C4
Q542	E2	D720	E4	1701	E3
Q543	E2	D730	D3	1702	D3
Q544	E2	D733	D3	1704	E2
Q550	E1	D777	C3	1801	E6
Q601	D4	D801	E7	1804	E5
Q730	E3	D802	E7	1806	D5
Q731	D4	D803	E7	1810	C6
Q733	D3	D804	E7	1820	C4
Q734	D3	D805	E6	1821	D5
Q807	E5	D806	E5	1822	C4
Q808	E5	D808	D6	1823	E5
Q809	E5	D809	D6	1824	D5
Q810	E5	D811	E5	1826	E4
Q811	E5	D820	C7	1827	E4
DIOD	ES	D821	C7		
D100	B4	D824	C6		
D101	A1	D825	C5		1



CTRL-BOARD PTCTMSV32P1FS

	B	S		
			AN'S	TR
820FP S	00-4142586384 : N	2115 5017 HH	B4	Q890
	2010	E 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0	C4	QR01
	- E		A3	QT01
	⊕ • €	T.B. E. CO.	DDES	חור
	2010	522 8013 6114 ← 8013	B4	D890
		To the state of th	C1	D090 DT01
*		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	B1	DT02
5		S TEE		THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME
4 8	*	- 100	B1	DT03
2	- CO	中間	C'S	(
P602			C4	IR01
	-000		В3	IT01
J01c	ZEL .	는 다 나 Self		
Ż	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	88		
	F +015 COT			
		PY/AV		
- 1	LIN TON SOLD 3	I I I I I I I I I I I I I I I I I I I	·	
	82	24 701 107 **		
		NG.		

LF100

m

₽089

CAUTION "LIVE MAINS"

CRT-BOARD

TRAN'S	D907 C2
Q901 C2	D908 C2
Q902 C1	D911 B4
Q903 C2	D912 B4
Q904 B1	D913 B4
Q905 C1	D915 B1
Q907 B1	D921 C4
Q908 C1	D922 B4
Q909 A1	D923 B4
Q921 C4	D997 A3
Q922 B4	
Q923 B4	IC'S
	1901 A4
DIODES	
D906 B1	

LIVE

P803

LF200

MODEL	TX-32PS12D TX-32PS12F	TX-32PS12P	TX-32E50D
BOARD DESCRIPTION	PTCPMSV32P1FS	PTCPMSV32P1FM	PTCPMSV32P1DS

